

## REMARKS

This Amendment is submitted supplementary to the previous Amendment and in connection with the last Office Action.

With the present Amendment, applicants canceled the original claims and submitted a new set of claims, to more clearly define the present invention, to distinguish it from the prior art and to satisfy the Examiner's requirements.

In accordance with the present invention, for manufacture of a polyurethane pad in the working layer and in the body such quantity of a curing agent is provided which is not sufficient for curing of these layers (20-25% less), and instead a surplus quantity of the curing agent is provided in the connecting layer, so that when the layers are jointly thermally treated the curing agent from the connecting layer migrates into the working layer and into the body to provide in the working layer and in the body the quantity of the curing agent which is sufficient for curing of the working layer and the body.

When the method is performed in accordance with the present invention, the working layer and the body obtain exactly measured amounts of the curing agents which are required for their curing, while in the prior art the

working layer and the body were usually depleted of the curing agent and their curing was sometimes insufficient. Also, a firm connection of the connecting layer with the working layer and the body is provided because of the new features of the present invention.

The prior art does not disclose these new features of the present invention. While in the prior art it is mentioned that the curing agent can migrate, none of the references applied by the Examiner teaches a method of producing a polyurethane pad with a working layer, a connection layer and a body in which the quantity of the curing agent in the working layer and in the polyurethane body was selected lower than required for the curing initially during preparation of the mixtures for these layers, but instead the connecting layer is formed as a curing agent supplying layer, in which the quantity of the curing layer is sufficient to migrate into the working layer and into the polyurethane body and to increase the quantity of the curing agent in the working layer and in the body to the amounts required for curing of these two layers.

The independent claims define specifically the new features of the present invention.

As for the Examiner's statements that the temperatures sintering of the layers is insufficient, it is respectfully submitted that the polyurethane pad


does not contain a ceramic material in any of its layers. While the Examiner is completely correct that the sintering of the ceramics requires higher temperatures, the manufacture of the polyurethane pad in accordance with the present invention does not require such temperatures. It is respectfully submitted that under the management of Dr. Cooper, the Universal Photonics, which is the assignee of this application and the employer of Dr. Cooper manufactures the polyurethane pads exactly with the temperatures specified in the present application. Thus, the temperature range disclosed in the present application is not the theoretical temperatures, but instead is the exact temperature range which has been used for producing the polyurethane pads in accordance with the present invention. In the claims the correct expression "thermally treating" has been now used.

It is respectfully submitted that the new features of the present invention which are now defined in the claims are not disclosed in the references, can not be derived from them as a matter of obviousness, and therefore these claims should be allowed.

Reconsideration and allowance of the present application is most respectfully requested.


Should the Examiner require or consider it advisable that the specification, claims and/or drawings be further amended or corrected in formal respects in order to place this case in condition for final allowance, then it is respectfully requested that such amendments or corrections be carried out by Examiner's Amendment, and the case be passed to issue. Alternatively, should the Examiner feel that a personal discussion might be helpful in advancing this case to allowance, he is invited to telephone the undersigned (at 631-243-3818).

Respectfully submitted,

  
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### Extension Request

Please extend the term for  
response by 2 months  
and charge to 26-0085.

  
I. Zhorovskiy